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| **Exploring Greatest Common Factors and Lowest Common Multiples** |
| Writes a number as a product of two factors18 = 1 × 1818 = 2 × 9 | Identifies all factors of a number, then identifies the greatest common factor for two numbers Factors of 18: 1, 2, 3, 6, 9, 18Factors of 12: 1, 2, 3, 4, 6, 12The greatest common factor of 18 and 12 is 6. | Writes the multiples of two numbers and identifies lowest common multipleMultiples of 3: 3, 6, 9, 12, 15, 18, 21, 24, …Multiples of 8:8, 16, 24, 32, 40, …The lowest common multiple is 24. | Identifies the lowest common multiple and greatest common factor of 3 numbers 4, 6, and 8Multiples of 4: 4, 8, 12, 16, 20, 24, … Multiples of 6: 6, 12, 18, 24, …Multiples of 8:8, 16, 24, …The lowest common multiple is 24.Factors of 4: 1, 2, 4Factors of 6: 1, 2, 3, 6Factors of 8:1, 2, 4, 8The greatest common factor is 2. |
| **Observations/Documentation** |
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